

**DR. A.P.J. ABDUL KALAM TECHNICAL
UNIVERSITY UTTAR PRADESH, LUCKNOW**



**EVALUATION SCHEME & SYLLABUS
FOR
B. TECH. 3rd YEAR (EN)
ELECTRICAL & ELECTRONICS ENGINEERING

BASED ON
AICTE MODEL CURRICULUM
& NEP2020**

[Effective from the Session: 2024-25]

ELECTRICAL & ELECTRONICS ENGINEERING

EVALUATION SCHEME - B.TECH. 3rd YEAR (ELECTRICAL & ELECTRONICS ENGINEERING)

SEMESTER V												
Sl. No.	Subject Codes	Subject	Periods			Evaluation Scheme			End Semester		Total	Credit
			L	T	P	CT	TA	Total	TE	PE		
1	BEE501	Power System - I	3	1	0	20	10	30	70		100	4
2	BEE502	Control System	3	1	0	20	10	30	70		100	4
3	BEE503	Electrical Machines-II	3	1	0	20	10	30	70		100	4
4	BE*051- BE*054	Departmental Elective-I	3	0	0	20	10	30	70		100	3
5	BEE055- BEE058	Departmental Elective-II	3	0	0	20	10	30	70		100	3
6	BEE551	Power System-I Lab	0	0	2		50	50		50	100	1
7	BEE552	Control System Lab	0	0	2		50	50		50	100	1
8	BEE553	Electrical Machines - IILab	0	0	2		50	50		50	100	1
9	BEN554	Mini Project or Internship Assessment*	0	0	2		50	50		50	100	1
10	BNC501/ BNC502	Constitution of India / Essence of Indian Traditional Knowledge	2	0	0	20	10	30	70			NC
11		MOOCs (Essential for Hons. Degree)										
		Total	17	3	8						900	22

*The Mini Project or internship (4 weeks) conducted during summer break after IV semester and will be assessed during V semester.

DEPARTMENT ELECTIVE - I

BEE051 Robotics
BEE052 Sensors and Transducers
BEE053 Industrial Automation and Control
BEN051 Bio-Medical Instrumentation Practices

DEPARTMENT ELECTIVE - II

BEE055 Optimization Techniques
BEE056 Neural Networks & Fuzzy System
BEE057 Digital Signal Processing
BEE058 Analog & Digital Communication

ELECTRICAL & ELECTRONICS ENGINEERING

SEMESTER VI												
Sl. No.	Subject Codes	Subject	Periods			Evaluation Scheme			End Semester		Total	Credit
			L	T	P	CT	TA	Total	TE	PE		
1	BEE601	Power System-II	3	1	0	20	10	30	70		100	4
2	BEE602	Microprocessor	3	1	0	20	10	30	70		100	4
3	BEE603	Power Electronics	3	1	0	20	10	30	70		100	4
4	BEE*06*	Departmental Elective-III	3	0	0	20	10	30	70		100	3
5	BOE06*	Open Elective-I	3	0	0	20	10	30	70		100	3
6	BEE651	Power System-II Lab	0	0	2		50	50		50	100	1
7	BEE652	Microprocessor Lab	0	0	2		50	50		50	100	1
8	BEE653	Power Electronics Lab	0	0	2		50	50		50	100	1
9	BNC601/ BNC602	Constitution of India / Essence of Indian Traditional Knowledge	2	0	0	20	10	30	70			NC
10		MOOCs (Essential for Hons. Degree)										
		Total	17	3	6						800	21

DEPARTMENT ELECTIVE - III

BEE061 Special Electrical Machines

BEN061 Linear Integrated Circuits

BEE063 Digital Control System

BEN062 Embedded Systems

BEE065 Digital Design with VHDL